

THE STRAWBERRY TEST PLOT.

OHIO  
Agricultural Experiment  
Station.

WOOSTER, OHIO, U. S. A., SEPTEMBER, 1906.

BULLETIN 178



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EXPERIMENT STATION, Wooster, Ohio.

ORGANIZATION OF THE  
OHIO AGRICULTURAL EXPERIMENT STATION.

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constitutes the final number of each yearly volume.

# BULLETIN

OF THE

## Ohio Agricultural Experiment Station

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NUMBER 178.

SEPTEMBER, 1906.

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### THE STRAWBERRY TEST PLOT.

BY F. H. BALLOU.

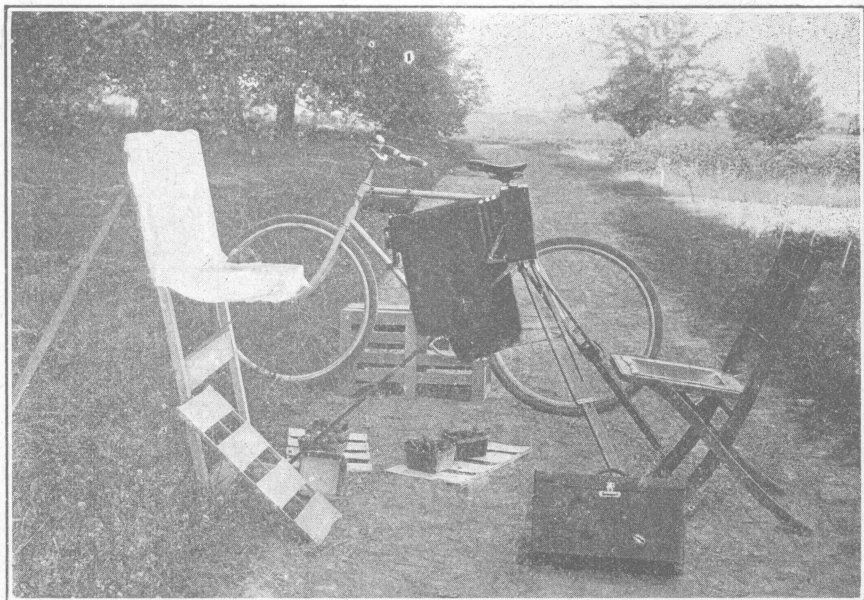
#### INTRODUCTION.

While the interests of the horticultural scientist, the commercial fruit culturist and the grower of fruits and other products of the soil merely for home use or pleasant recreative employment, are closely related, there are certain questions concerning the common calling which appeal with widely varying force and significance to different individuals.

The established feature of variety testing by Experiment Stations has, from time to time, occasioned some discussion among horticulturists, professional, practical and amateur. Suggestions, practically amounting to friendly criticisms, have, in rare instances, been offered, in which desire found expression that variety testing be abandoned and that the time, thought and energy necessary to continue this line of work be devoted to problems of a deeper nature, those which the busy, practical gardener and fruit grower, through lack of time, material, equipment and technical training, cannot solve for himself. This expressed sentiment of a comparatively small number of horticulturists is not intended—neither should it be construed—to suggest that investigational work along more important lines is being hampered by annual tests and comparisons of the many new varieties of fruits and vegetables constantly appearing; but that the special feature of variety work so adds to the burden already resting upon the shoulders of those in active charge of field experiments, that variety testing should be discontinued as a relief from the pressure thus brought to bear, and to afford more time and better opportunities for the study and solution of deeper problems which concern horticulturists of the present day.

The attitude of the minority of those interested in horticulture, who would liberate the busy experimentalist from the painstaking work and care absolutely necessary to render variety tests of real and dependable value to the public, is heartily appreci-

ated by the writer, who would willingly dispense with so great a responsibility were it wise and best to do so. However, evidence is at hand and constantly accumulating, that by far the greater number of our gardeners and fruit growers consider variety testing as not only legitimate work of the Experiment Stations and Sub-stations of our country, but popular, helpful and necessary work, which should be extended and continued as a feature in which the most careful and conscientious service be given.



Outfit with which new varieties of strawberries are photographed.

This expression of the desire of the majority of those interested and engaged in horticulture, together with the constant demand by hundreds of correspondents and inquirers to know of the merits or short-comings of the many new varieties of fruits and vegetables annually being offered by nurserymen, seedsmen and dealers, compel recognition and earnest, untiring, unbiased, truly conscientious service in the field, even should the continuance of the work thus imposed be a constant burden upon the horticultural department of the Station. It is, therefore, in response to this popular demand, that variety testing will be, without apology, continued indefinitely. Nor will such work hamper or in any measure interfere with work along other important lines. Many carefully conducted experiments and investigations are being outlined and pursued, which will



result, it is hoped, in brief, practical, helpful reports, from time to time. And the popular demand for information and help is at all times keenly observed, which serves to suggest new work to be taken up—new problems to be solved—for the common good of the soil culturists of our state.

The testing of new varieties of strawberries, it is true, requires a great deal of patience and thoughtful, careful and critical observance on the part of the one in charge of such work, if the results deserve to be accepted with confidence by the public. It requires courage of a certain quality, too, for the experimenter to frankly make known the results which have been obtained.

With the kindest attitude toward the various originators and introducers of new fruits, there cannot but be many of these who will be much disappointed with the reported behavior of their new fruits, as observed and recorded at the Experiment Station test grounds. Were it not a fact so well known that certain varieties prove to be adapted to particular soils and locations, and fail entirely in others, this disappointment would be much intensified and not tempered with the hope, as it usually is, that such varieties may give a more satisfactory account of themselves at other Stations.

Just as it is unwise to praise too highly a new variety from the experience of a single season's trial, so it is equally unwise to unconditionally condemn a new variety because of its comparative failure at the outset. But experience is proving that the earmarks of either a high degree of excellence or of utter worthlessness in a new variety are often so clearly apparent to the close observer who lives among his plants, that a reasonably accurate estimate, for that local section of country, is quite likely to be placed upon a new variety when it has borne its first crop. The varieties most difficult to give a proper and satisfactory rating on the scale of merit usually fall within the great "middle class," and prove to possess neither grave faults nor great merit. With these, one must patiently work, season after season, until, by figures alone, the true estimate, and for that particular section only, can be given to the public.

It is, then, with a deep sense of responsibility, not only to the public, but to the originators and introducers of new fruits, that the experimenter receives seeds, plants and trees of new varieties for growing beside and comparing with established standards of the different classes of these fruits. The true objects to be attained are to be thus enabled to intelligently direct our planters in their selection and purchase of the best and most promising varieties obtainable for their special purpose and to prevent, in a measure.

the expenditure of great sums of hard-earned dollars for overpraised and high-priced novelties which, generously stating the truth, really possess no superior merit when compared with standard sorts of like classes of grains, fruits and vegetables.

The statement of apparent merits or defects of new introductions, based upon impartial field trials in comparison with standard varieties of their respective kinds, is bound to have its effect upon discoverers and originators of new fruits, in that they are thereby prompted to exercise greater care that the new varieties do possess real and sufficient merit, in one or more important points, to enable these to win a word of commendation from the unprejudiced and disinterested experimenter.



Picking strawberries on the Station grounds.

Notwithstanding that the freezing weather of early May, 1906, cut off all open flowers of all varieties of strawberries, and killed many buds which were ready to open, as well as a considerable percentage of later buds which happened to be particularly exposed, the crop in general, at the Experiment Station, was more satisfactory in 1906 than that of either 1904 or 1905. The peculiar conditions, brought about by the severe cold, made it interesting to note the behavior of first-early sorts as compared with mid-season

and later varieties. It seems a reasonable supposition that when the flowers and green berries of first-early varieties and the first blossoms and opening buds of medium and later kinds are simultaneously cut off, the tendency of certain varieties to precede others in season of ripening would be seriously disturbed. This is true, in a certain measure, though not to the extent that would seem probable. Just as with individuals of the human family, certain varieties of fruit, vegetables and grains seem to possess inherent tendencies to "hustle"—determinations to precede, succeed and exceed—and this quality is apparent even under various discouraging conditions. As an example, certain varieties of strawberries had been in bloom for from four to five days when the flowers of all were killed by the freeze. As a result these same early sorts resumed blossoming a few days later and simultaneously with later sorts which had not produced a single flower previous to the freeze. Yet all varieties ripened about in their usual order with, perhaps, a little closer succession, making the season a short and busy one.

The descriptions of new varieties, as given in this report, were made from plants and fruit as they were actually grown and carefully and persistently observed and studied on the grounds of the Experiment Station at Wooster, and regardless of the source of origin or introduction each of these varieties receives not only an unbiased and conservative estimate, but a rating in cold figures which tells the story in the briefest possible space.

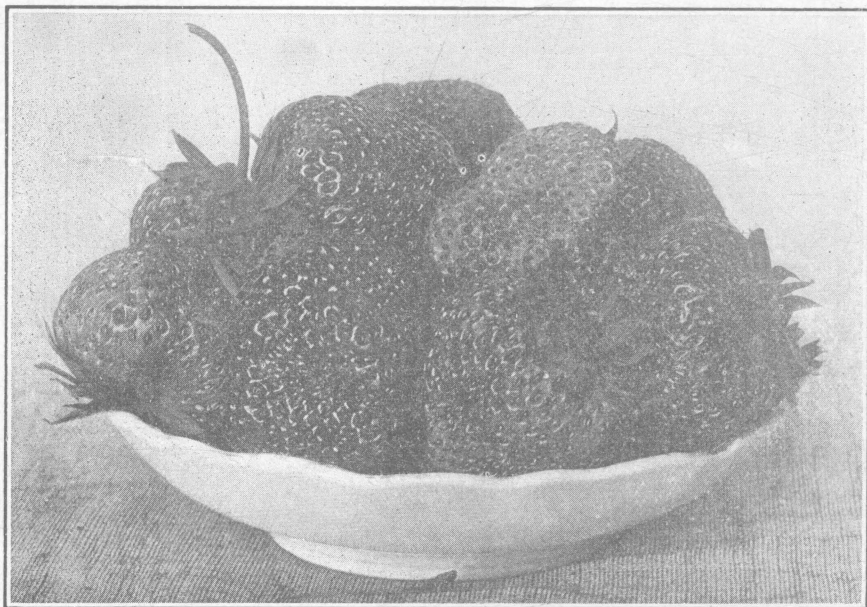
Only the newer varieties are described in this report—all others listed in the table found on the latter pages having been described in Bulletins Nos. 154 and 166, which are reports for 1904 and 1905, respectively. The names of the individuals or firms, following the variety names, are of those from whom our plants were obtained, and are not, in all cases, the names of those who originated or introduced the varieties.

#### NOTES ON THE NEWER VARIETIES.

*Photographs by the author.*

**Abington** (Blanchard, 1905).—Berries medium in size, with an occasional large specimen as an exception; conical, often broadly conical, sometimes divided or crescent shaped; color bright red. Flesh red, moderately firm and of good though not high quality. Flowers perfect. First blossoms May 5; full bloom May 21. First ripe fruit June 9; period of heaviest fruiting June 15 to 23; largest single picking June 18—two and one-sixth quarts; last picking July 2; total yield for the season eight and seven-twelfths quarts. Plants comparatively healthy though showing some blight at the close of the fruiting season. Makes a fair number of plants, yet does not

crowd in the rows. The Abington came highly recommended, but it is no doubt doing better in the vicinity of its home in New England than upon the Station grounds. Though superior to many new sorts, it appears to have no particular merit that would place it above or even on the plane of a number of our well tested and popular standards.

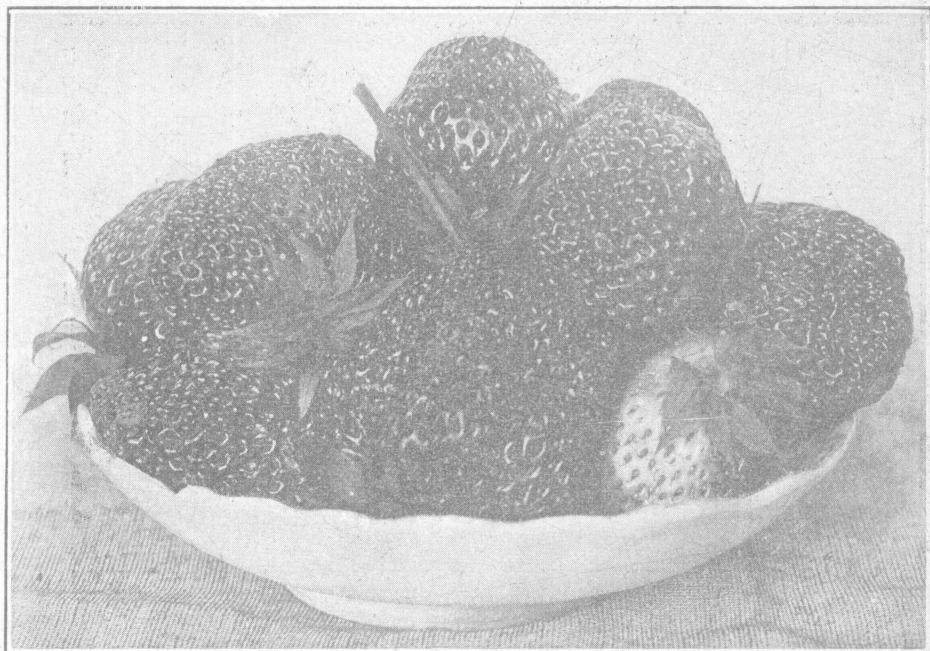


ABINGTON.

**Armstrong** (Crawford, 1905).—Large, elongated, coxcombed, ribbed, slightly necked, irregular at first, but becoming more uniform as the season advances; rich, dark crimson in color, glossy and attractive. Flesh light in color, firm, fine in texture, sweet and good in quality. Flowers perfect. First blossoms May 6; full bloom May 23. First ripe fruit June 11; period of heaviest fruiting June 13 to 20; largest single picking June 18—three and one-sixth quarts; last picking June 25; total yield for the season eight and nine-tenths quarts. Plants are large, strong and healthy, making a good fruiting-row. The fruit of this variety has the peculiarity of coloring up its seeds while the berries are yet white or light green in color. Promises to stand well among the big fellows of its type.

**Arnout** (Arnout, 1905).—Medium to large in size, long conical with blunt apex; rich crimson, somewhat glossy. Flesh red, only

moderately firm, good in quality. Flowers perfect. First blossoms May 14; full bloom May 22. First ripe fruit June 11; period of heaviest fruiting June 13 to 20; largest single picking June 18—two and one-half quarts; last picking June 29; total yield for the season ten quarts. Plants large, tall and strong, making a good row. Produced a few nice berries but, through failure to pollinize properly, there were many culls or "buttons".



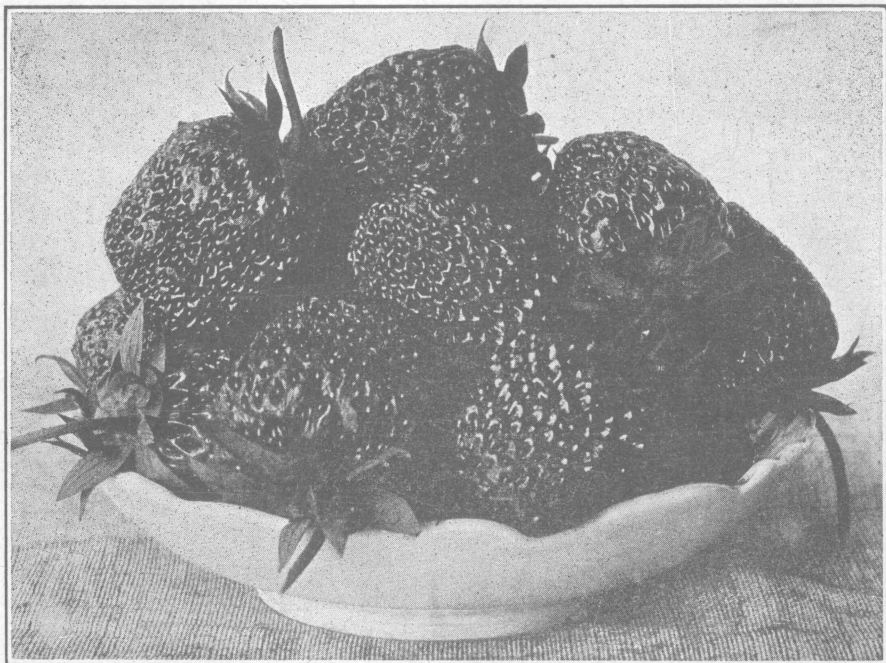
ARMSTRONG.

**Bennett** (Crawford, 1905).—Medium to small, conical, ribbed, sometimes divided, irregular; color dark crimson. Flesh red, moderately firm and of good quality. Flowers imperfect. First blossoms May 14; full bloom May 23. First ripe fruit June 11; period of heaviest fruiting June 15 to 23; largest single picking June 18—three and one-half quarts; last picking June 25; total yield twelve and two-thirds quarts. Plants large, exceedingly vigorous, clean and beautiful, making a fine fruiting-row which by no means fulfilled its promise when fruiting time came, as the berries were too small for market.

**Carrie Silvers** (Crawford, 1905).—Medium or above in size, long conical, wedge shape and slightly necked; bright crimson in color. Flesh red, moderately firm and of good quality. Flowers imperfect.



First blossoms May 14; full bloom May 21. First ripe fruit June 9; period of heaviest fruiting June 13 to 18; largest single picking June 18, one and one-half quarts; last picking June 25; total yield for the season five and one-fourth quarts.

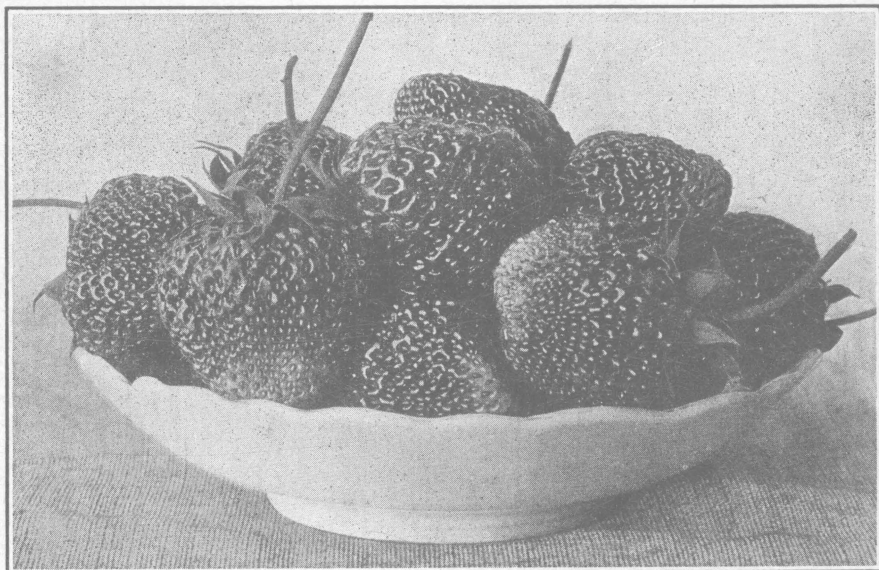


ARNOUT.

**Catharine** (Todd, 1905).—Medium to small, short conical usually uniform; bright red in color. Flesh red, moderately firm, quality fair. Flowers imperfect. First blossoms May 14; full bloom May 21. First ripe fruit June 7; period of heaviest fruiting June 11 to 20; largest single picking June 18—four quarts; last picking June 27; total yield for the season fifteen and seven-eighths quarts. Plants medium in size, medium in vigor, making a broad, well set row when not restricted. Very prolific, but runs too small after two or three pickings to be of value for market.

**Dewet** (Weston, 1905).—Medium in size, short conical, slightly necked, uneven; color dark crimson. Flesh red, firm, good, though a little too acid. Imperfect. First blossoms May 14; full bloom May 25. First ripe fruit June 15; period of heaviest fruiting June 18 to 23; largest single picking June 20—two and one-half quarts; last picking June 25; total yield for the season twelve and three-

eighths quarts. Plants strong growers, making a good row. Berries ran very small towards latter end of season. Has no particular merit as far as it is possible to observe here.



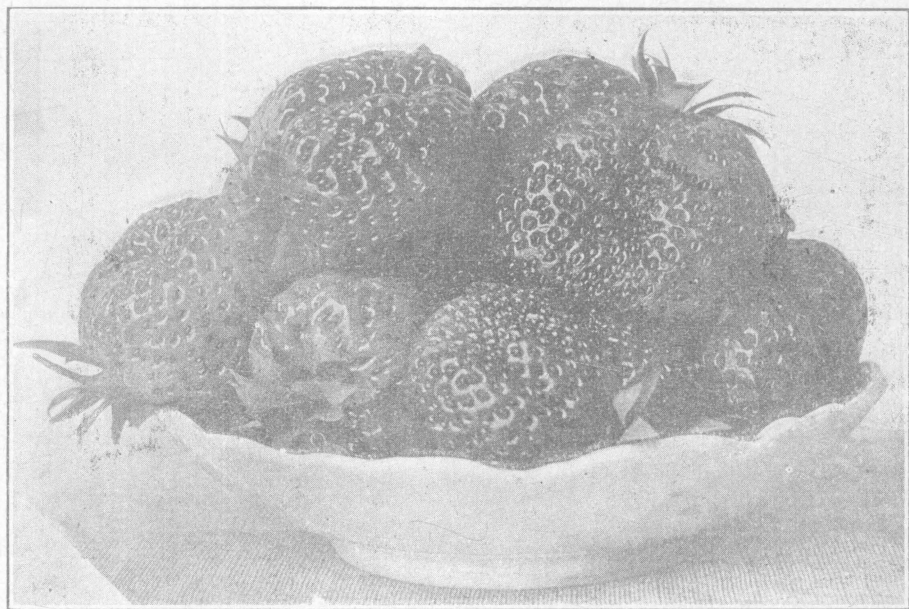
CATHARINE.

**Great Scott** (Warren, 1905).—Very large; berries usually flattened, occasionally coxcombed or divided; color rather dull, coppery red, lacking attractiveness in the basket. Flesh light in color, firm and of fairly good quality. Imperfect. First blossoms May 14; full bloom May 23. First ripe fruit June 13; period of heaviest fruiting June 18 to 23; largest single picking June 20—two and one-fourth quarts; last picking June 29; total yield for season ten and one-half quarts. Plants large, healthy and vigorous with broad, light green foliage, clean and beautiful. Worthy of trial despite its lack of depth and tone of color.

**King Edward** (Miller, 1905).—Large, bluntly conical, very slightly necked, regular, uniform; color bright, fresh crimson when fully matured, glossy and attractive. Flesh light in color, firm, fine-grained, mild, sweet and good in flavor. Flowers perfect. First blossoms May 7; full bloom May 21. First ripe fruit June 9; period of heaviest fruiting June 15 to 23; largest single picking June 18—three and one-half quarts; last picking June 25; total yield for the season eleven and one-half quarts. Plants large, vigorous, light



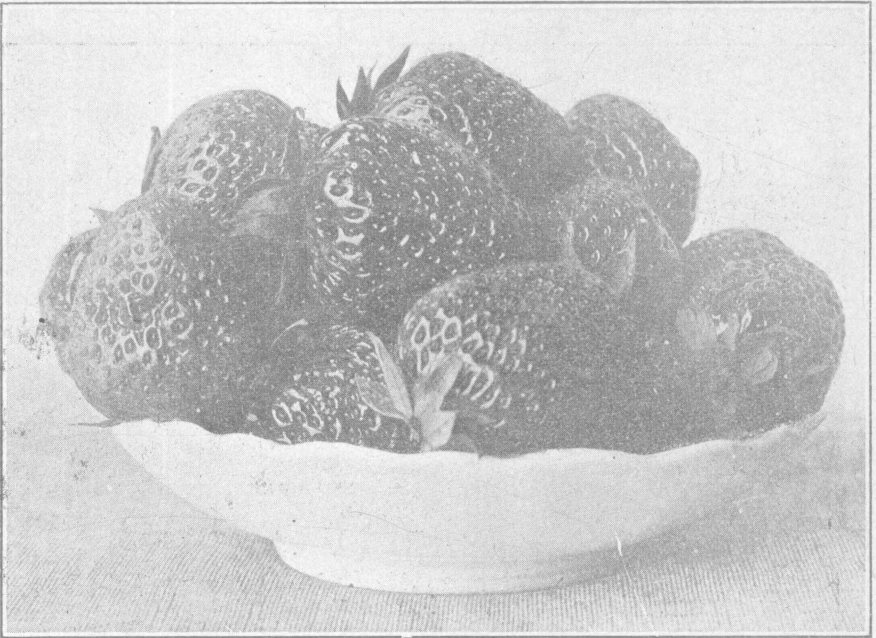
green in color, making a beautiful fruiting row. A very promising variety originating in Holmes county, Ohio, where it is reported as having done exceedingly well again this season.



GREAT SCOTT.

**La Belle** (Ekey, 1905).—Large, long conical, sometimes slightly flattened or wedge shape, but usually regular and uniform; slightly necked, rendering the calyx very easy to remove; color brilliant dark crimson, glossy and attractive. Flesh red, firm and fine in texture; quality good, though not high. Flowers imperfect. First blossoms May 16; full bloom May 24. First ripe fruit June 11; period of heaviest fruiting June 15 to 25; largest single picking June 20—two and one-half quarts; last picking July 2; total yield for season twelve and three-eighths quarts. Plants are free-growing, vigorous and healthy, making a handsome fruiting row. Judging from our trial row which was duplicated in another part of the field, La Belle is, conservatively stating it, a very promising variety which originated with Mr. Ekey of Ohio, who also originated or discovered the Gill. Not a single variety in our entire collection of over one hundred sorts held up so well in size over so long a period of ripening. Like other valuable introductions from the same source, La Belle came to us with scarcely a word of praise or commenda-

tion—the originator evidently being quite willing that it be put to the test and win a place of honor by its own merit or fall into obscurity along with those whose “numbers are legion”.

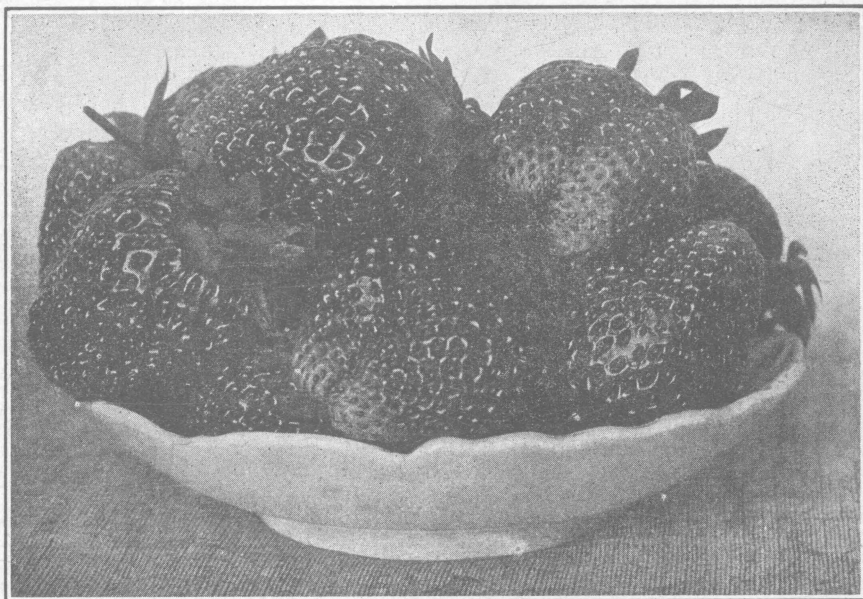


KING EDWARD.

**Late Prolific** (Rapp, 1905).—Above medium in size, broadly conical, often divided or ribbed; color dark crimson when fully ripe, inclining to mature with green tips at first of season. Flesh light red, moderately firm, a little acid, but of fair quality. Perfect. First blossoms May 14; full bloom May 21. First ripe fruit June 13; period of heaviest fruiting June 15 to 20; largest single picking June 18—four quarts; last picking June 25; total yield for season sixteen and one-sixth quarts. Plants of medium size and vigor, making a thickly set row. It is very prolific, but does not seem to possess the habit of late ripening here that is implied by its name. Berries ran small at last of season. Of no marked value except in point of prolificacy.

**Maiinda** (Streator, 1905).—Medium in size, short conical though somewhat irregular; color dark red. Flesh red, moderately firm and of good quality. Flowers perfect. First blossoms May 14; full bloom May 21. First ripe fruit June 13; period of heaviest fruiting June 15 to 23; largest single picking June 18—two and

seven-eighths quarts; last picking June 29; total yield for season seven and two-thirds quarts. Plants were sent from California where this variety is said to be of especial value and quite popular. Not of marked value at the Station grounds.

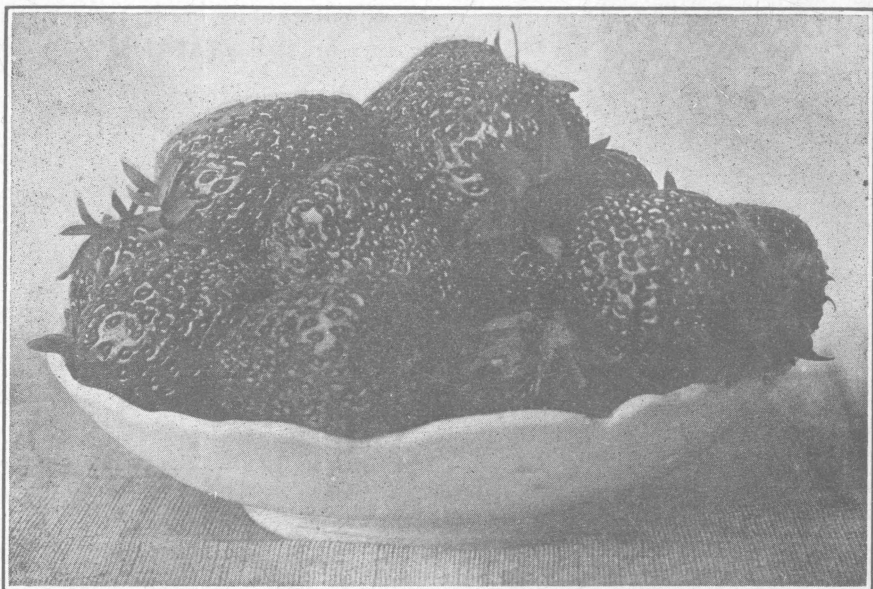


LA BELLE.

**Mrs. Miller** (Miller, 1905).—Above medium and quite uniform in size; long conical with blunt apex, a little irregular in outlines, but rarely misshapen to an objectionable degree; color rich dark crimson. Flesh red, firm and good in quality. Flowers imperfect. First blossoms May 6; full bloom May 21. First ripe fruit June 8; period of heaviest fruiting June 11 to 20; largest single picking June 18—three and three-fifths quarts; last picking June 25; total yield for season twelve and three-eighths quarts. Plants are tall, vigorous and healthy, making a good fruiting row which should be restricted and thinned somewhat for best results. This variety was much admired by all who saw it in fruiting—especially during the best of its season. The berries dropped down in size toward the latter part of their season, but the weather was very dry at that particular time.

**Morning Star** (Crawford, 1905).—Medium in size, short conical, sometimes slightly elongated, divided or ribbed, but usually of regular, conical form; dark glossy red in color. Flesh red, moder-

ately firm, good in quality. Flowers perfect. First blossoms May 6; full bloom May 23. First ripe fruit June 9; period of heaviest fruiting May 15 to 20; largest single picking June 15—one and one-half quarts; last picking June 25; total yield for season six and three-fourths quarts. Plants moderately vigorous, making a good row. Does not promise to be sufficiently prolific or to possess particular features of value on Station soil.

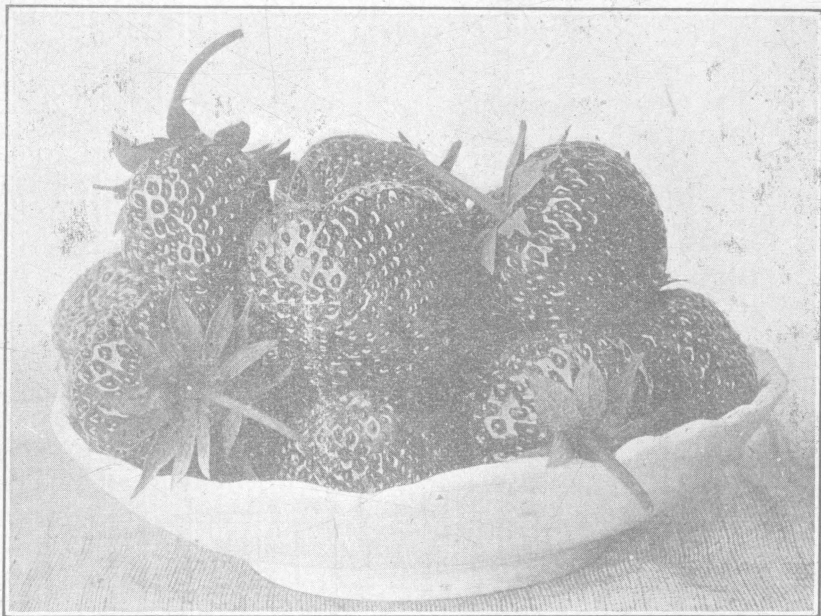


MRS. MILLER.

**New Home** (Allen, 1905).—Medium to small, bluntly conical, a little elongated, smooth and regular; color crimson with a faint coppery tint. Flesh pink, firm, not of pleasant flavor, being slightly acrid as is that of the well known Gandy. Flower perfect. First blossoms May 16; full bloom May 24. First ripe fruit June 13; period of heaviest fruit production June 15 to 18; largest single picking June 18—one and one-fourth quarts; last picking June 25; total yield for season two and nine-tenths quarts. The New Home has been highly praised by different growers of the Atlantic states, hence it was with much disappointment that its failure at the Station grounds was observed. The plants from the time of setting in the spring of 1905, were small, slender and weak, with a sickly, yellowish, variegated color, and very low in vitality. It was tested in different parts of the field with the same results.



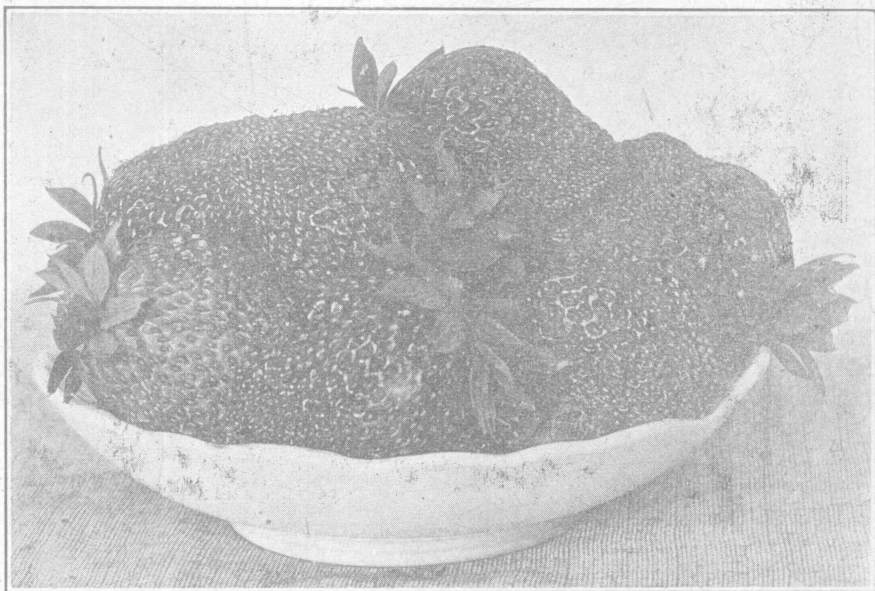
**Nimrod** (Crawford, 1905).—Medium to above in size, short conical, blunt and often dimpled at apex; dark crimson when fully matured, glossy and beautiful. Flesh red, moderately firm and of good quality. Perfect. First blossoms May 6; full bloom May 24. First ripe fruit June 7; period of heaviest fruit production June 11 to 18; largest single picking June 18—one quart; last picking June 25; total yield for season four and nine sixteenths quarts. Plants were small, low, stocky and showed considerable leaf-blight, but produced some very nice berries considering lack of vigor. Berries of good size and attractive in the basket, but not borne in sufficient quantity for profit.



NIMROD.

**North Shore** (Allen, 1905).—Medium to large in size, long conical, acutely pointed, ridged, somewhat irregular; color dark crimson many berries having hard, green tips. Flesh red, firm and of good quality. Perfect. First blossoms May 16; full bloom May 23. First ripe fruit June 11; period of heaviest fruiting June 13 to 20; largest single picking June 18—one and two-thirds quarts; last picking June 25; total yield for season four and seven-twelfths quarts. Plants very large, producing few runners. Seriously lacking in prolificacy.

**No. 267** (Reasoner, 1905).—Large, short conical with blunt apex, somewhat ridged and uneven at beginning of season; rich dark crimson when ripe, glossy and attractive. Flesh light red or pink, moderately firm, quality good. Imperfect. First blossoms May 14; full bloom May 21. First ripe fruit June 11; period of heaviest fruit production June 15 to 23; largest single picking June 18—four quarts; last picking June 27; total yield for season sixteen and three-fourths quarts. Plants strong and healthy. Mr. Reasoner writes us that he has discarded No. 267 in its present form because of its sunken calyx, and is now endeavoring to “breed a neck on it” by crossing with the Senator Dunlap.

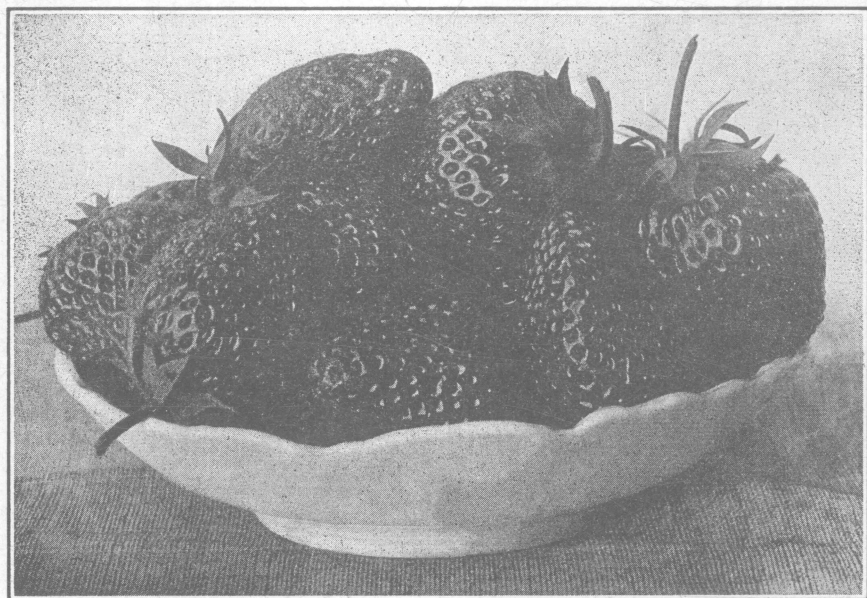


NORTH SHORE.

**No. 324** (Reasoner, 1905).—Large, long conical, wedge shape, corrugated, necked; color dark crimson. Flesh red, fine, firm, good in flavor. Perfect. First blossoms May 16; full bloom May 24. First ripe fruit June 11; period of heaviest fruiting June 15 to 25; largest single picking June 20—three quarts; last picking June 29; total yield for season thirteen and one-third quarts. Plants large, strong, healthy, light green in color and made a handsome row. Berries held their size well. Needs further trial.

**No. 325** (Reasoner, 1900).—Above medium in size, quite long conical, somewhat flattened, necked, regular; color bright crimson, ripening a little “patchy” at first, but uniformly as the season ad-

vances. Flesh light red or pink, firm, fine in texture and of good quality. Flowers semi-perfect at first, apparently strengthening in pollen as the season of blooming advanced. First blossoms May 12; full bloom 21. First ripe fruit June 11; period of heaviest fruiting June 15 to 20; largest single picking June 18—two and one-third quarts; last picking June 25; total yield for season seven and two-thirds quarts. Plants heavy, strong, clean, beautiful. Deserving of further trial.



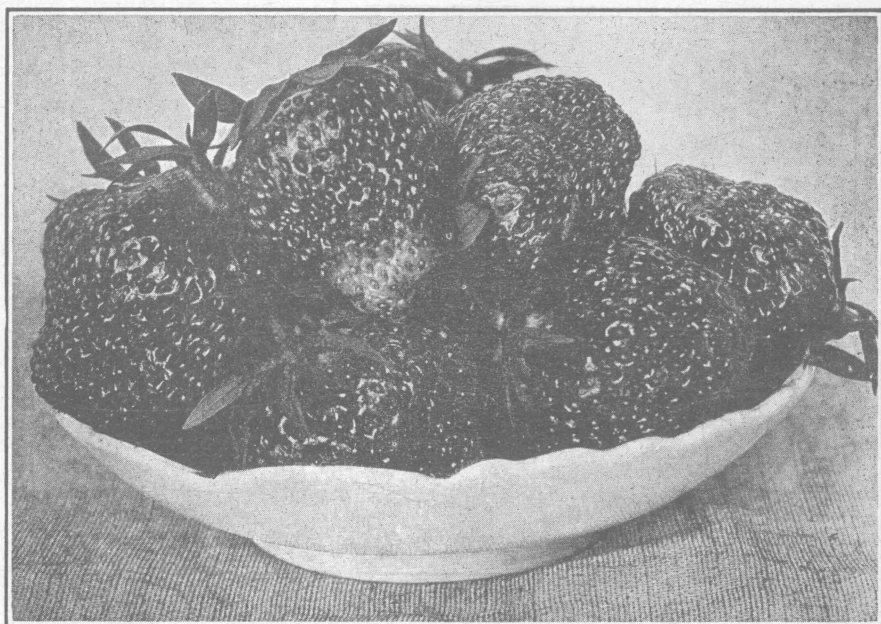
NO. 267.

**No. 2** (Thompson, 1905).—Above medium in size, usually crescent shape or divided; color dark, glossy crimson. Flesh light, firm and of good flavor. Perfect. First blossoms May 16; full bloom May 24. First ripe fruit June 13; period of heaviest fruiting June 15 to 20; largest single picking June 18—three and one-third quarts; last picking June 25; total yield for season five and one-third quarts. Plants healthy and vigorous, with dark green foliage.

**No. 300** (Thompson, 1905).—Medium to small, roundish; color dark red. Flesh red, moderately firm, rather acid but good in flavor. Perfect. First blossoms May 5; full bloom May 21. First ripe fruit June 7; period of heaviest fruiting June 11 to 13; largest single picking June 13—three and one-fourth quarts; last picking June 18; total yield for season seven and one-fourth quarts. Plants



small but healthy and vigorous and make a thickly set row. This variety was among the first to ripen, giving one or two good pickings of fair sized berries, then ran too small for market.

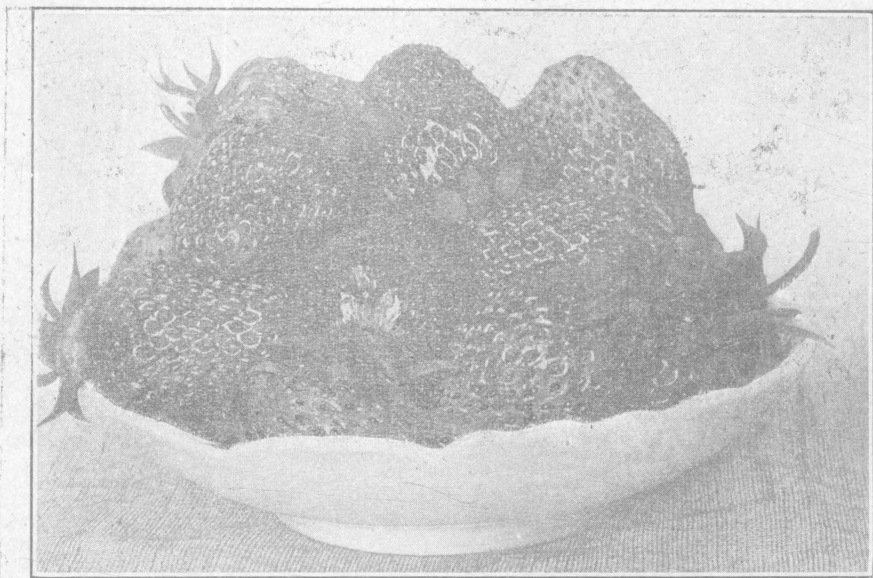


NO. 324.

**No. 400** (Thompson, 1905).—Above medium in size, long oval, bluntly conical, occasionally slightly necked; color bright red. Flesh pink, moderately firm, fine textured and of good quality. Perfect. First blossoms May 14; full bloom May 23. First ripe fruit June 11; period of heaviest fruiting June 13 to 18; largest single picking June 18—two and one-fourth quarts; last picking June 25; total yield for season eight quarts. Plants large, vigorous and healthy, making a fairly well set row. Berries quite uniform and beautiful.

**No. 611** (Thompson, 1905). — Very large, flattened, usually divided, ribbed and irregular; color dark crimson with an occasional white tip until fully matured. Flesh red, firm, fine textured and good in quality. Imperfect. First blossoms May 16; full bloom May 24. First ripe fruit June 11; period of heaviest fruiting June 15 to 25; largest single picking June 18—four and one-half quarts; last picking June 29; total yield for season fifteen and one-eighth quarts. Plants large, light green in color, making a good row.

Compared with Bubach, the plant is larger and lighter in color; in fruit it is darker, firmer and of better quality and equally as prolific, judging from the first season's trial. Worthy to be tested.

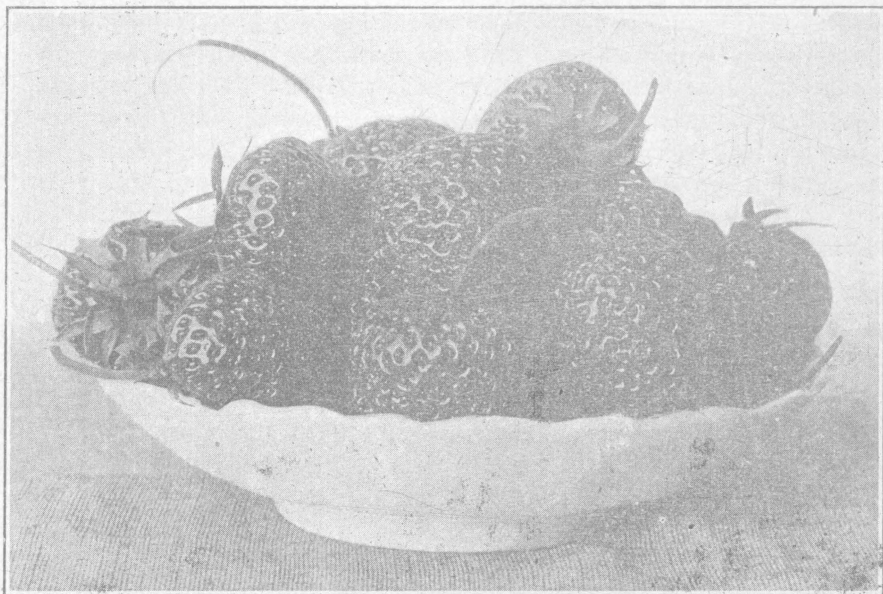


NO. 325

**No. 700** (Thompson, 1905).—Medium, conical, flattened or wedge shape, sometimes divided; color dark crimson. Flesh light red, firm, fair in quality. Perfect. First blossoms May 7; full bloom May 23. First ripe fruit June 11; period of heaviest fruiting June 18 to 25; largest single picking June 23—three quarts; last picking July 29; total yield for season ten and one-tenth quarts. Plants medium in size, dark green, vigorous and healthy.

**Peck's No. 99** (Crawford, 1906).—This new variety was fruited only on plants of the current spring setting. Berries were medium to large, long conical, blunt at apex; color very dark red. Flesh red throughout, firm, fine in texture, very sweet and pleasant and of excellent quality. The blossoms are imperfect. Plants free, healthy growers, light green in color and send out a moderate number of strong runners. It is, of course, too soon to express a positive opinion of this new berry, but from what was observed it promises to be sufficiently prolific for the marketman, attractive enough to please those to whom a beautiful berry is a source of gratification, and good enough in quality to please the most exacting.

**Reynolds** (Crawford, 1905).—This variety, as grown and fruited at the Station, is so similar to the Parson's Beauty in plant, blossom and fruit that a separate description would be superfluous. See table in back of Bulletin for dates and yield.

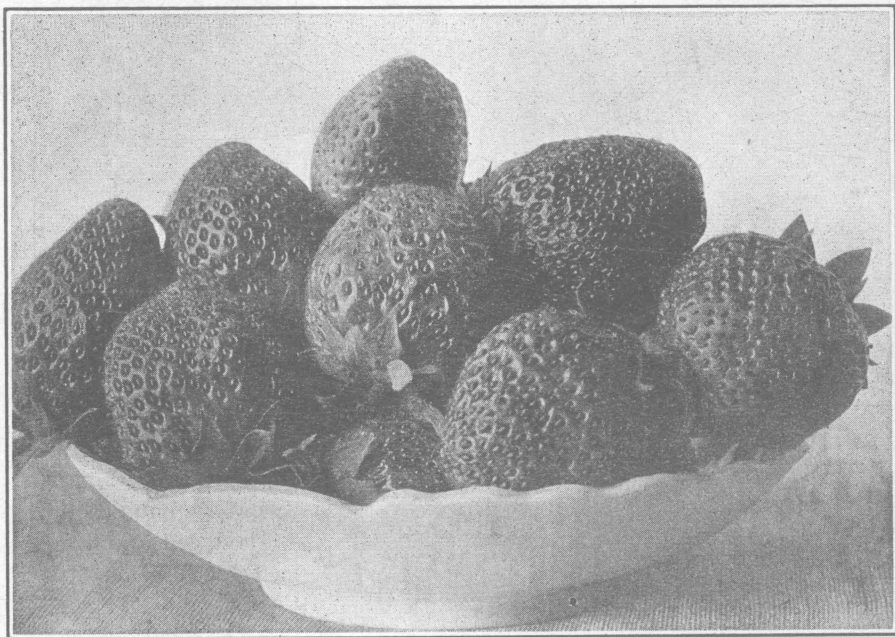


NO. 300.

**Robinson** (Crawford, 1905).—Medium to small, conical, occasional fruits at first of season inclining to be divided, corrugated, rough and uneven; color dark red. Flesh light red, lacking firmness; quality fairly good. Perfect. First blossoms May 12; full bloom May 22. First ripe fruit June 11; period of heaviest fruiting June 13 to 20; largest single picking June 18—three quarts; last picking June 25; total yield for season nine and seven-eighths quarts. Plants rather slender in growth and produce a thickly set row which needs severe thinning. Berries are too small for popular approval and the variety seems to have no remarkable points of merit except that it is fairly prolific.

**Sibert** (Sibert, 1905).—Small, round, bright crimson in color. Flesh red, moderately firm and of fair quality. Perfect. First blossoms May 11; full bloom May 23. First ripe fruit June 11; period of heaviest fruiting June 13 to 18; largest single picking June 13—seven-eighths of one quart; last picking June 23; total yield two and three-eighths quarts. Plants medium size, slender, light green in color and healthy.

**Stevens** (Crawford, 1905).—Large, bluntly conical, wedge shape, sometimes coxcombed; color bright crimson. Flesh pink, firm and of good quality. Perfect. First blossoms May 16; full bloom May 25. First ripe fruit June 13; period of heaviest fruiting June 15 to 23; largest single picking June 18—two and one-fourth quarts; last picking July 2; total yield for the season eight and five-sixths quarts. Plants heavy, vigorous and healthy, making a good fruiting row which should be thinned to secure best results. This variety has been given a good reputation by eastern growers, and it promises to sustain its good name as a medium late variety here, judging by its behavior on Station soil. It is a late bloomer and this year escaped the late freeze without the least injury to buds by the May frosts which cut off first flowers and buds of so many varieties.

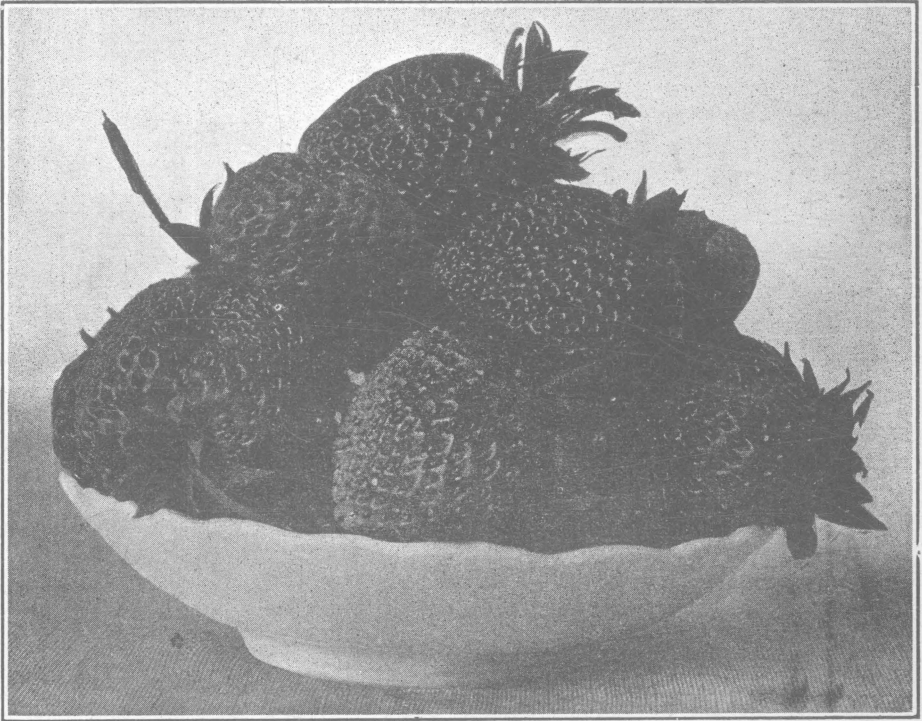


NO. 400.

**Wonder** (Crawford, 1905).—Large, conical, elongated, corrugated, slightly necked; dark crimson mottled with a lighter color and white—somewhat uneven, but beautiful and attractive. Flesh light pink, firm, rather dry, fine textured, mild, sweet and good. Perfect. First blossoms May 12; full bloom May 21. First ripe fruit June 11; period of heaviest fruiting June 15 to 20; largest single picking June 18—three quarts; last picking June 25; total yield for



season nine and one-sixth quarts. The Wonder made a favorable impression on all who saw it at its best this year. It makes a heavy, sturdy plant and an almost ideal fruiting row with a little thinning of the later formed plants. The plants are remarkably large, broad foliaged and healthy. The fruit is peculiar in that the seeds usually color while the berry is yet light green or white; in this respect it resembles Armstrong—indeed there are other features of similarity common to these two varieties. Promising for a large, fancy berry for the home; also for market if it prove sufficiently prolific.



NO. 611.

**Wyoga** (Petersen, 1905).—Medium in size, long conical, pointed regular; color dark crimson when fully ripe. Flesh light red or pink, firm and sweet but not of high quality. Imperfect. First blossoms May 12; full bloom May 24. First ripe fruit June 13; period of heaviest fruiting June 18 to 29; largest single picking June 18—three and one-half quarts; total yield for season eighteen and five-sixths quarts. Plants as well as fruit are of the Haverland type and it is quite evident that Wyoga is of Haverland parentage.

This variety is certainly a marvel of prolificacy. Unlike the Haverland, the fruit-stalks are strong and upright, holding the masses of green berries well above the foliage until, at last, the weight can be borne no longer, when the stalks slowly bend to the task of perfecting their burden of fruit. The berries ripen very slowly and somewhat unevenly, there being quite a percentage of specimens with white undersides and tips. Wyoga is distinctly a wonder and is worthy of testing in a small way. While it has not been particularly claimed to be a late variety it is a matter of interest that its last picking of fruit made, on the second day of July, was heavier than from any other sort classed as late, having produced two and one-half quarts at that time.



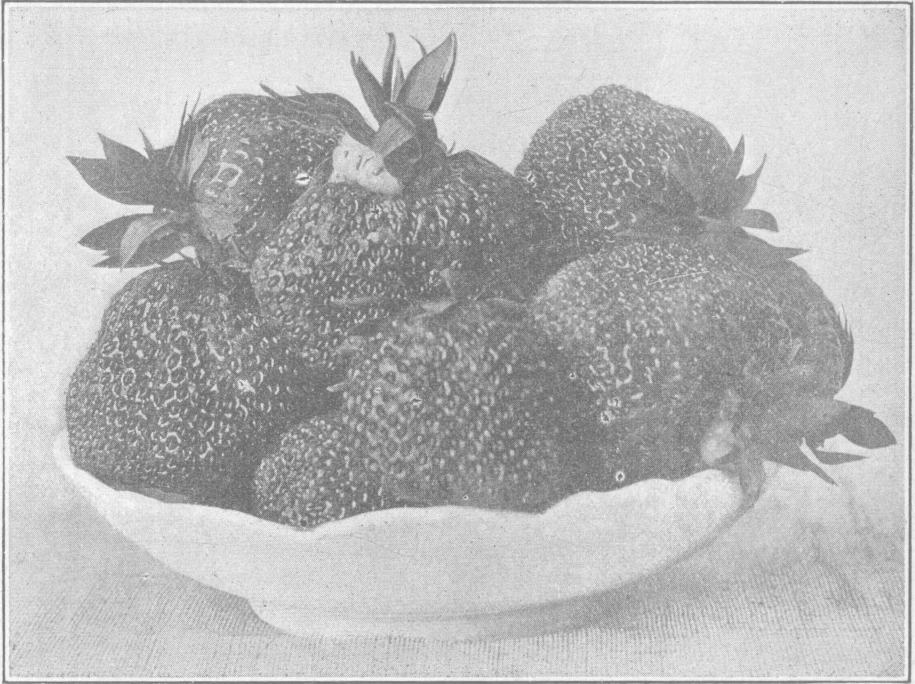
PECK'S NO. 99.

## NOTES.

The Experiment Station has no strawberry plants for sale or distribution, as but short sections of rows of the different varieties are grown for the purpose of testing and comparison, hence there are no plants to spare.

**Arkansas Black** again showed its inherent tendency to produce great bushy plants, very few runners, and a small crop of very small and dark colored berries. Instead of throwing out runners,

the plants which are set, increase in size and multiply in crowns until they become great stools which can not be covered by a bushel basket. It is worthless here.



STEVENS.

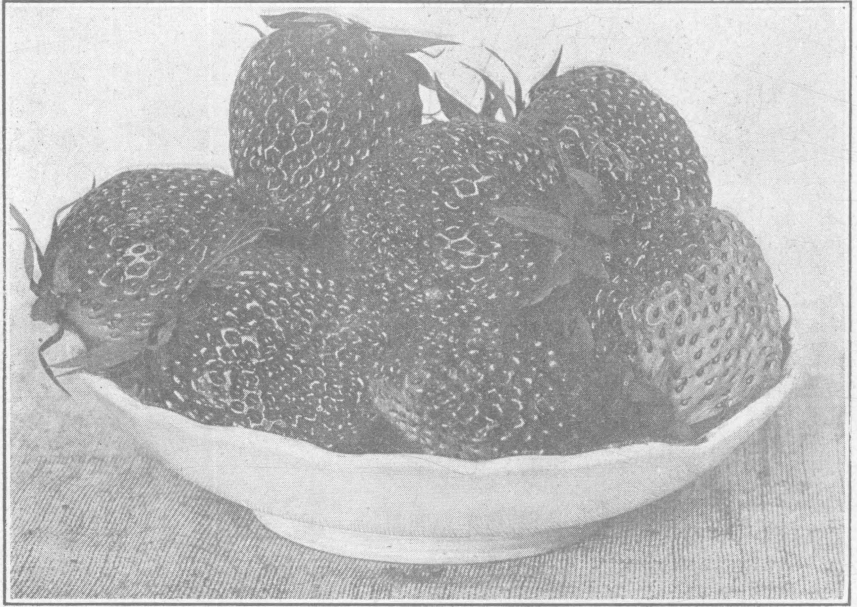
**"B. W. No. 6"** is certainly distinct in appearance (See Bulletin No. 166) from all others. There are features about this peculiar, long necked, pear shaped, pink colored strawberry that one cannot but appreciate. It is above the average in prolificacy, sweet and good for table use. Its striking form often suggests that the calyx is upon the wrong end. Its novel appearance would attract attention—and sell it too—upon the retail market stand.

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**Cardinal.**—It has been a disappointment to again record a comparative failure of Cardinal, of which so much was expected. It is said to do well in other places; but at the Station it has shown no particularly valuable points, although fruited three seasons—the first season on fall set plants. The plants do well but there is disappointment encountered when the season for big berries and basket filling arrives. See tabular report for figures.



**Fremont Williams** again surpassed Gandy on our soil, as a late, large, fancy berry. It is so firm that it keeps in good condition for a remarkable length of time after picking. It is superior in size and beauty to Gandy, and while not as prolific as one could desire, produces more fruit than Gandy upon a given area of ground.



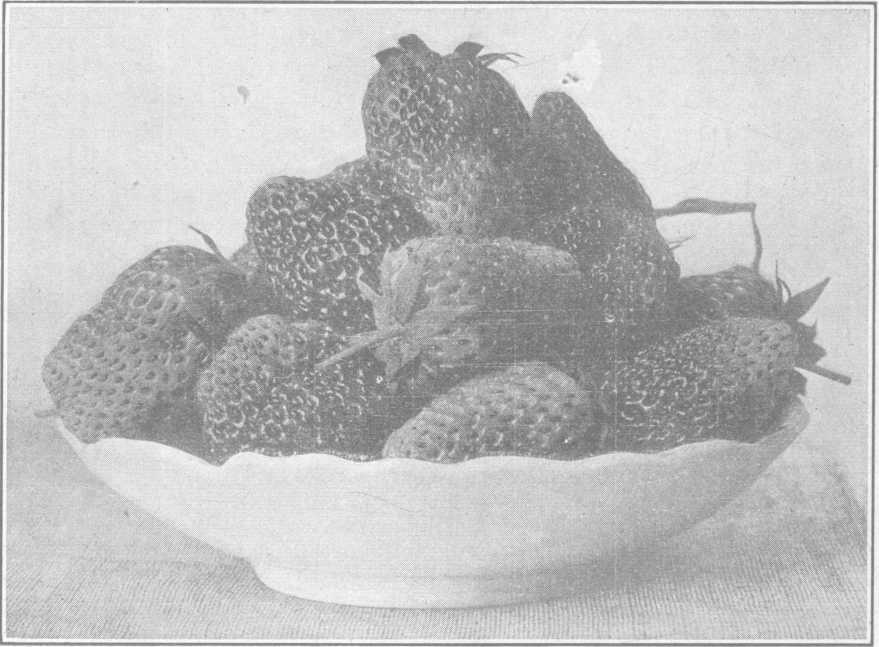
WONDER.

**Gill** still heads the list as a first-early sort of rare merit. Its small, stocky plants, fairly bubble over with business and berries. The berries run small at the close of the season, but not until after it has produced an astonishingly heavy burden of fruit of fair size and mild, pleasant, good though not high flavor.

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**Highland**, for the third season, stands in the front rank of varieties remarkable for prolificacy, this season again surpassing all in the quantity of fruit produced. It lacks firmness and is not of high quality, but for the home market and for the promise of quarts and dollars, it should be given a trial in a small way by growers in different parts of the state. It is as firm as Bubach, however, though it will not average so large in size as that well known variety. It has always reminded the writer of the Crescent, if that old, one-time popular, and remarkably prolific variety could be

imagined as "over-grown" both in plant and fruit. The plant, however, is sturdier in habit and with broader foliage than that of the Crescent type.



WYOGA.

**Kittie Rice** did much better this season than for the past two years, at the Station. But even the noted improvement did not bring it up to the standard for prolificacy when compared with other old and dependable sorts. It is very susceptible to leaf blight at the Station, which weakness caused its failure in 1904-'05. Kittie Rice did exceedingly well at the home of the writer, in Licking County the season just passed. It was one of the best in the field, not only in size, appearance and quality of fruit, but in vigor and prolificacy of plants.

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**Lady Garrison** did remarkably well this season—much better than in 1905—and seems worthy of further trial. It is a bright, attractive, very light crimson or scarlet berry, as glossy as if varnished and almost invariably double or crescent shape—a form distinctly its own.

**"Latest"** seems to stand the test of time along with the best. It does not make many plants—especially on comparatively thin soil, but the few plants it does make are very prolific. The flavor is mild and sweet, making it a favorite for dessert use. Needs good soil to do its best.

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**Millets No. 7** began the season with a maximum setting of fruit upon plants which supported the minimum of foliage. The result clearly foreseen came to pass. The plants were not able to mature their burden of fruit which ran very small. This variety is distinctly of the Haverland type, but needs fertile soil to produce plants of sufficient vigor to balance its inherent tendency to overbear.

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**Mead** is one of the few varieties highly praised in the eastern states which has not been disappointing here. No plants in our collection are cleaner or more beautiful in growth, being dark, glossy and free from all disease. It is only a moderate producer of berries, but these are of good size, uniform, firm, of attractive color and pleasant in flavor.

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**Peerless** We have received one favorable report on the Peerless as grown in Ohio, but here at the Station it is valueless. It is one of the varieties in which we were greatly disappointed, as it came with a good name and a price of five dollars per dozen plants attached. It is a handsome grower but is very shy in bearing fruit.

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**President** is another sort that is highly recommended by growers of the middle Atlantic states. We have gathered a few very large and excellent berries from this variety at the Station—just enough to impress us with its value where it is at home and succeeding; but it is so variable here and so large a percentage of the berries are small and inferior, that it cannot be recommended.

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**Repeater** again did well and is proving that it deserves a word of commendation as a perfect flowered sort of the Haverland type. It attracted some attention in the Station test plot this season. It is bright in color, of fair quality and above the average in prolificacy.

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**Twentieth Century.** As stated in Bulletin No. 166, plants of this variety did not do well in 1905. The past season of 1906 this variety did much better and gave an opportunity to better judge its character.

As was strongly suspected last year, Twentieth Century has proved to be very like Bubach. Unless there was some mistake in the stock sent us, it is so nearly like Bubach that it would be useless to grow both. It is possible, if there were no errors made, that its origin may have been different; but in plant, blossom and fruit, as we have it at the Station, it is the counterpart of Bubach.

Laxton and Mexican were total failures. The plants made a very puny growth, and the foliage was so diseased that development of fruit was impossible.

VARIETY.	Flowers	First blossoms	First ripe fruit	Period of heaviest fruiting	Largest single picking in quarts	Last picking	Total yield in quarts for season
Abington.....	Per.	May 5	June 9	June 15-23	June 18 2 1-6	July 2	8 7-12
Alice Hathaway..	"	" 13	" 11	" 13-18	" 18 3	June 23	11 3/4
Annie Hubach....	"	" 14	" 11	" 13-20	" 18 1 1/4	" 23	5 1 6
Arkansas.....	"	" 15	" 9	" 13-18	" 18 1	" 20	5 7-12
Armstrong.....	"	" 6	" 11	" 13-20	" 18 3 1-6	" 25	8 9-10
Arnout.....	"	" 14	" 11	" 13-20	" 18 2 1/2	" 25	10
Aroma.....	"	" 14	" 13	" 18-25	" 18 2	July 2	6 3/8
August Luther....	"	" 7	" 7	" 11-18	" 18 1	June 20	4 3/8
Bailey, S. E.....	"	" 11	" 11	" 13-18	" 18 2 1/2	" 23	4 9-10
Ben Davis.....	"	" 12	" 11	" 13-20	" 18 2 3/8	" 25	7 3/8
Bennett.....	Imp.	" 14	" 11	" 15-23	" 18 3 1/2	" 25	12 3/8
Brundige.....	"	" 14	" 11	" 13-18	" 18 1 1/2	" 25	4 3/8
Brunette.....	Per.	" 11	" 5	" 9-18	" 18 3 3/8	" 25	11
Bryan.....	"	" 16	" 13	" 15-20	" 18 2	" 25	5 1/2
B. W. No. 6.....	"	" 14	" 9	" 13-23	" 18 3	" 29	11
Carrie Dumas....	Imp.	" 11	" 9	" 11-18	" 16 3	" 25	9 3/4
Carrie Silvers....	"	" 14	" 9	" 13-18	" 18 1 1/2	" 25	5 3/4
Catharine.....	"	" 14	" 7	" 11-20	" 18 4	" 25	15 3/8
Cardinal.....	"	" 12	" 11	" 15-20	" 18 1 1/2	" 25	4 3-5
Carlisle.....	Per.	" 11	" 9	" 13-20	" 15 2	" 23	8 3/8
Challenger.....	"	" 14	" 13	" 15-25	" 18 3	" 27	8 1-10
Climax.....	"	" 14	" 11	" 13-20	" 20 1	July 2	3 3/8
Commonwealth...	"	" 15	" 15	" 18-25	" 25 7/8	June 27	4 2 3/8
Crimson Cluster..	"	" 16	" 15	" 18-27	" 23 1 3/8	" 27	4 3/8
Dewet.....	Imp.	" 14	" 15	" 18-23	" 20 2 1/2	" 25	12 3/8
Dewey.....	Per.	" 7	" 11	" 13-18	" 18 3	" 23	8 3/8
Duncan.....	"	" 14	" 9	" 13-20	" 18 2 1/2	" 23	9 5-6
Early Hathaway...	"	" 7	" 9	" 13-18	" 15 2	" 23	8 3/8
Early Market....	"	" 11	" 9	" 11-18	" 13 1 1/4	" 23	4 3/8
Effie.....	"	" 12	" 11	" 13-23	" 18 2 1/4	" 23	8 3/8
Ernie.....	"	" 7	" 11	" 13-20	" 18 1	" 23	4 3/4
Evergreen.....	"	" 15	" 13	" 15-23	" 18 3 3/8	" 23	2 1-12
Excelsior.....	"	" 5	" 7	" 7-9	" 9 1 3/4	" 18	4
Fairfield.....	"	" 7	" 7	" 9-13	" 13 2	" 18	5-12
Ford.....	"	" 11	" 15	" 13-18	" 18 2	" 23	6 3/8
Fremont Williams	"	" 21	" 15	" 18-25	" 23 1 1/2	July 2	6 9-10
Gandy.....	"	" 20	" 15	" 18-25	" 23 1	" 2	2 9-10
Gill.....	"	" 4	" 5	" 7-18	" 9 3	" 20	14 3/8
Great Scott.....	Imp.	" 14	" 13	" 18-23	" 20 2 3/4	" 29	10 3/8
Green's Nameless..	Per.	" 14	" 11	" 13-20	" 18 1 1/2	" 25	4 3/8
Ham.....	"	" 6	" 11	" 13-20	" 18 1 3/8	" 23	5 3/8
Haverland.....	Imp.	" 7	" 9	" 11-20	" 18 4 1/2	" 23	14 3/4
Hazel.....	"	" 14	" 11	" 13-23	" 18 2 1/2	" 2	8 5-6
Highland.....	"	" 15	" 9	" 11-20	" 15 5	" 2	19 1-6
Joe Davis.....	Per.	" 12	" 15	" 18-23	" 18 3 1/2	June 23	8 3/8
King Edward.....	"	" 7	" 9	" 15-23	" 18 3 1/2	" 25	11 3/8
Kittie Rice.....	Imp.	" 14	" 11	" 13-23	" 18 2	" 25	6 3/8
La Belle.....	"	" 16	" 11	" 15-25	" 20 2 1/2	July 2	12 3/8
Lady Garrison....	Per.	" 14	" 13	" 15-25	" 18 2 1/2	July 2	10 1-12
Late Prolific....	"	" 14	" 13	" 15-20	" 18 5	" 29	16 1-6
Latest.....	Imp.	" 14	" 13	" 18-25	" 18 3 1-9	July 2	13 3/8
Lehman, S. J.....	Per.	" 7	" 13	" 15-20	" 18 1 1/2	July 25	5 3/4
Lewis Hubach....	Imp.	" 11	" 9	" 15-20	" 18 1 1/2	" 20	6 3/8
Lucas.....	Per.	" 16	" 11	" 15-20	" 18 3 1/2	" 23	8 3/8
Malinda.....	"	" 14	" 13	" 15-23	" 18 2 3/8	" 29	7 3/8
Marcona.....	Imp.	" 16	" 9	" 13-23	" 18 4	" 5	11 3/8
Marie.....	"	" 16	" 13	" 15-23	" 18 3	" 19	13 3/8

VARIETY.	Flowers	First blossoms	First ripe fruit	Period of heaviest fruiting	Largest single picking in season	Last picking	Total yield in quarts for season
Mark Hanna, Mrs.	Per.	May 11	June 13	June 13-20	June 18 1½	June 23	3 ¾
Mayflower .....	"	" 9	" 7	" 9-13	" 11 1	" 15	4 ¾
Mead .....	"	" 16	" 15	" 18-27	" 20 1¾	" 2	8 1-5
Mellie Hubach .....	Imp.	" 11	" 7	" 9-13	" 13 3	July 20	10 ¾
Miller, Mrs. ....	"	" 6	" 8	" 11-20	" 18 3 3-5	June 25	12 ¾
Miller .....	Per.	" 11	" 11	" 13-20	" 18 2	" 23	5 ¾
Millet No. 7 .....	Imp.	" 7	" 7	" 11-18	" 18 1½	" 23	2 1-5
Minnie .....	Per.	" 11	" 9	" 11-15	" 13 ½	" 23	7 ¾
Missouri .....	"	" 7	" 11	" 13-0	" 18 2	" 23	6 ¾
Morning Star .....	"	" 6	" 9	" 15-20	" 15 1½	" 23	5 ¾
Myriad .....	"	" 14	" 9	" 13-18	" 15 2½	" 25	10 ¾
New Home .....	"	" 16	" 13	" 15-18	" 18 1½	" 23	2 0-10
Nimrod .....	"	" 6	" 7	" 11-18	" 18 1	" 23	4 9-16
Nick Ohmer .....	"	" 14	" 11	" 15-20	" 18 2	" 27	3 ¾
N nety Six .....	"	" 14	" 15	" 15-18	" 18 1	" 23	8 ¾
North Shore .....	"	" 16	" 11	" 13-20	" 18 1½	" 23	7-12
No. 267 (Reasoner)	Imp.	" 11	" 11	" 15-23	" 18 4	" 27	16 ¾
No. 324 .....	Per.	" 16	" 11	" 15-25	" 20 3	" 29	12 ¾
No. 325 .....	"	" 12	" 11	" 15-20	" 18 2½	" 23	7 ¾
No. 2 (Thompson)	"	" 16	" 13	" 15-20	" 18 3½	" 23	5 1½
No. 400 .....	"	" 5	" 7	" 11-13	" 13 3¾	" 18	7 ¾
No. 400 .....	"	" 11	" 11	" 13-18	" 18 2½	" 25	8 ¾
No. 611 (Thompson)	Imp.	" 16	" 11	" 15-25	" 18 4½	" 29	15 ¾
No. 700 .....	Per.	" 7	" 11	" 18-25	" 23 3	" 29	10 1-10
Olympia .....	Imp.	" 12	" 11	" 13-18	" 18 3½	" 25	8 ¾
Oom Paul .....	Per.	" 14	" 11	" 13-20	" 18 2½	" 23	11 ½
Plum, D. S. ....	"	" 7	" 11	" 15-20	" 18 2½	" 25	7 5-6
Perfect'n .....	"	" 16	" 13	" 15-23	" 18 2½	" 25	8 ½
Peel's .....	"	" 16	" 13	" 18-23	" 18 1½	" 23	3 1-8
Parson's Beauty ..	"	" 12	" 11	" 13-23	" 18 3½	" 29	13 1½
President .....	Imp.	" 11	" 7	" 18-25	" 18 1½	" 29	5 1½
Ryckman .....	Per.	" 14	" 13	" 18-20	" 18 1½	" 23	3 ½
Repeater .....	"	" 14	" 9	" 13-20	" 15	" 23	9 1½
Reynolds .....	"	" 13	" 11	" 13-20	" 18 3 1-6	" 23	12 ¾
Robinson .....	"	" 12	" 11	" 13-20	" 18 3	" 25	9 7-8
Sample .....	Imp.	" 16	" 13	" 15-23	" 23 4	" 27	11 ¾
Senator Dunlap ..	Per.	" 12	" 11	" 15-18	" 18 3 1-9	" 23	8 1-5
Sibert .....	"	" 11	" 11	" 13-18	" 13 7½	" 23	2 ¾
Smith .....	"	" 6	" 7	" 9-18	" 18 1½	" 20	3 ½
Shenandoah .....	"	" 16	" 13	" 15-23	" 18 2½	" 25	7 ¾
Staderman .....	"	" 12	" 15	" 18-23	" 18 2	" 29	7 ¾
Stevens .....	"	" 16	" 13	" 15-23	" 18 2½	July 2	8 5-6
Sunny South .....	"	" 7	" 7	" 9-13	" 13 2½	June 23	7 ½
Sutherland .....	Imp.	" 16	" 9	" 13-18	" 18 3	" 20	11 ½
Telghman .....	"	" 20	" 13	" 18-25	" 18 2	" 29	6 5-8
20th Century ..	"	" 14	" 9	" 13-18	" 13 3	" 27	12 ½
Uncle Jim .....	Per.	" 14	" 13	" 15-23	" 18 3½	" 29	8 7-12
Velvet .....	Imp.	" 14	" 13	" 15-18	" 18 1½	" 20	3 1-6
Warfield .....	"	" 10	" 7	" 9-18	" 18 2½	" 23	11 ½
Wonder .....	Per.	" 12	" 11	" 15-20	" 18 3	" 25	9 1-6
Wyoga .....	Imp.	" 12	" 13	" 18-9	" 18 3½	July 2	18 5-6
Yant .....	Per.	" 14	" 11	" 15-20	" 18 2½	June 25	8 ¾